Noise in full chain with different power options

three voltages: VDD (AVDD+DVDD), 5V, 3.3V

two scenarios compared:
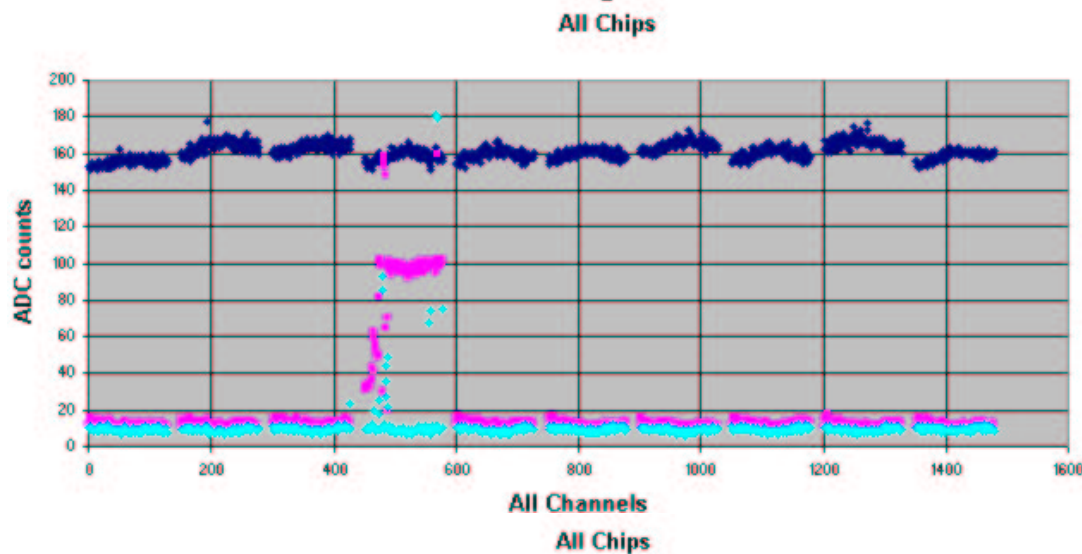
- used so far: VDD supplied via AVDD lines on 80c cable
  5V and 3.3V distributed with extra cables
- "scheme 4": VDD distributed over AVDD+DVDD lines
  5V and 3.3V using AVDD2 lines on 80c cable

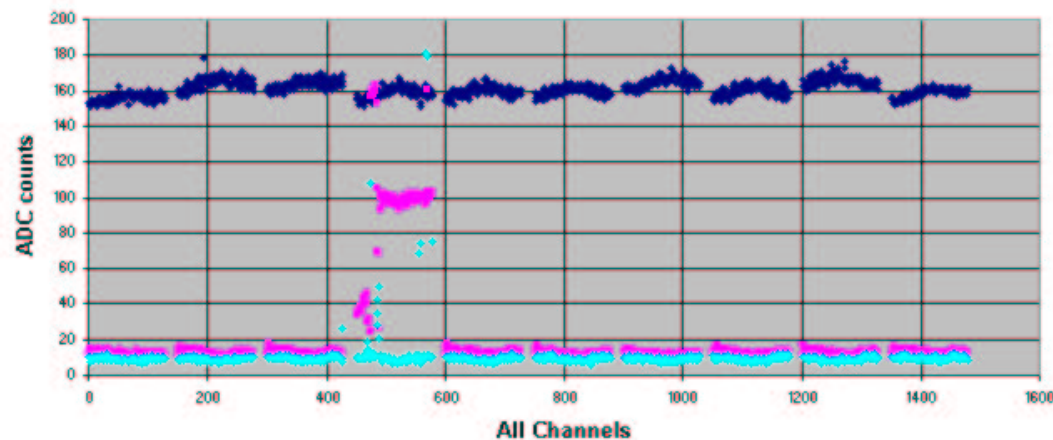advantage of scenario 4: no extra cables

disadvantage: AVDD+DVDD relay timing on IB

requirements: two jumpers on AC, IB Run IIa firmware

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standard scheme
noise 1.21 ADC

scheme 4
noise 1.21 ADC

seems fine, but depreciated for other reasons (IB relays)